



TECHNICAL SERVICE BULLETIN

6.7L - Illuminated MIL With DTCs P2043, P205C And/Or P205D - Built On Or Before 9-Dec-2014

18-2190

02 July 2018

Model:

Ford
2011-2012 F-250/F-350
2011-2015 F-450/F-550

Issue: Some 2011-2012 F-250/F-350 and 2011-2015 F-450/F-550 vehicles equipped with a 6.7L diesel engine built on or before 9-Dec-2014 may exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble codes (DTCs) P2043, P205C and/or P205D.

Action: Follow the Service Procedure steps to correct the condition.

Parts

Part Number	Description	Quantity
BC3Z-5J225-L	Reductant Heater and Sender Assembly (Pickup)	1
BC3Z-5J225-M	Reductant Heater and Sender Assembly (Chassis Cab)	1
PM-27-JUG	Motorcraft® Diesel Exhaust Fluid	2

Warranty Status: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions Warranty Coverage Warranty/ESP coverage limits/policies/prior approvals are not altered by a TSB. Warranty/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

Labor Times

Description	Operation No.	Time
2011-2014 F-Super Duty 6.7L (All Configurations) Retrieve DTCs And Reprogram The PCM. No Other Repairs Required (Do Not Use With Any Other Labor Operations)	182190A	0.7 Hrs.
2011-2014 F-Super Duty 6.7L Pickup: Retrieve DTCs, Replace The Reductant Heater And Sender Assembly And Reprogram The PCM	182190B	1.9 Hrs.
2011-2014 F-Super Duty 6.7L Chassis Cab – Inboard Reductant Tank: Retrieve DTCs, Replace The Reductant Heater And Sender Assembly And Reprogram The PCM	182190C	1.8 Hrs.
2011-2014 F-Super Duty 6.7L Chassis Cab – Outboard Reductant Tank: Retrieve DTCs, Replace The Reductant Heater And Sender Assembly And Reprogram The PCM	182190D	1.5 Hrs.
2015 F-Super Duty 6.7L (All Configurations) Retrieve DTCs, Reprogram The PCM. No other repairs Required (Do Not Use With Any Other Labor Operations)	182190E	0.4 Hrs.
2015 F-Super Duty 6.7L Pickup: Retrieve DTCs, Replace The Reductant Heater And Sender Assembly And Reprogram The PCM	182190F	1.6 Hrs.
2015 F-Super Duty 6.7L Chassis Cab – Inboard Reductant Tank Retrieve DTCs, Replace The Reductant Heater And Sender Assembly And Reprogram The PCM	182190G	1.6 Hrs.
2015 F-Super Duty 6.7L Chassis Cab – Outboard Reductant Tank Retrieve DTCs, Replace The Reductant Heater And Sender Assembly And Reprogram The PCM	182190H	1.3 Hrs.
F-Super Duty 6.7L Non-FX4 package vehicles: Extra Time To Remove Install Fuel Tank Shield (If Equipped) To Access Lifting Points (Can Be Claimed With Any Labor Operations Except A, E And K)	182190J	0.1 Hrs.
F-Super Duty 6.7L FX4 package vehicles only: Extra Time To Remove and Install Fuel Tank Shield (If Equipped) To Access Lifting Points (Can Be Claimed With Any Labor Operations)	182190K	0.3 Hrs.

Except A, E And J)

Repair/Claim Coding

Causal Part:	5J225
Condition Code:	04

Tool List

Drive	Tool Name
1/4"	Ratchet (Power and Hand Tool)
1/4"	Torque Wrench
1/4"	5.5 mm Socket
1/4"	5/32 Hex Bit
3/8"	Ratchet (Power and Hand Tool)
3/8"	Torque Wrench
3/8"	10" Extension
3/8"	10 mm Socket
1/2"	Ratchet (Power and Hand Tool)
1/2"	Torque Wrench
1/2"	10" Extension
1/2"	13 mm Socket
	Trim Tool
	391-24226 Rotunda DEF Extractor or Equivalent
	310-069 Fuel Tank Sender Unit Wrench

Service Procedure

1. Is the vehicle a 2011-2012 F-250/F-350 or a 2011-2015 F-450/F-550 equipped with a 6.7L engine and built on or before 9-Dec-2014?
 - (1). Yes - proceed to Step 2.
 - (2). No - this article does not apply. Refer to the Powertrain Control/Emissions Diagnosis (PC/ED) Manual for normal diagnostics.
2. Using the appropriate Ford scan tool or equivalent, retrieve DTCs. Are P2043, P205C and/or P205D stored in the powertrain control module (PCM)?
 - (1). Yes - proceed to Step 3.
 - (2). No - this article does not apply. Refer to the PC/ED Manual for normal diagnostics.
3. Is P2043 the only DTC present?
 - (1). Yes - proceed to Step 5.
 - (2). No - proceed to Step 4.
4. Replace the reductant heater and sender assembly. Refer to Workshop Manual (WSM), Section 303-08. Proceed to Step 5.
5. Reprogram the PCM using the appropriate Ford scan tool using release 109.01 or higher. Make sure you are connected to the internet when entering module programming to obtain the latest updates.
 - (1). NOTE: ADVISE THE CUSTOMER THAT THIS VEHICLE IS EQUIPPED WITH AN ADAPTIVE TRANSMISSION SHIFT STRATEGY WHICH ALLOWS THE VEHICLE'S COMPUTER TO LEARN THE TRANSMISSION'S UNIQUE PARAMETERS AND IMPROVE SHIFT QUALITY. WHEN THE ADAPTIVE STRATEGY IS RESET, THE COMPUTER WILL BEGIN A RE-LEARNING PROCESS. THIS RE-LEARNING PROCESS MAY RESULT IN FIRMER THAN NORMAL UPSHIFTS AND DOWNSHIFTS FOR SEVERAL DAYS.

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NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford or Lincoln dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.